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## Patent Abstracts of Japan

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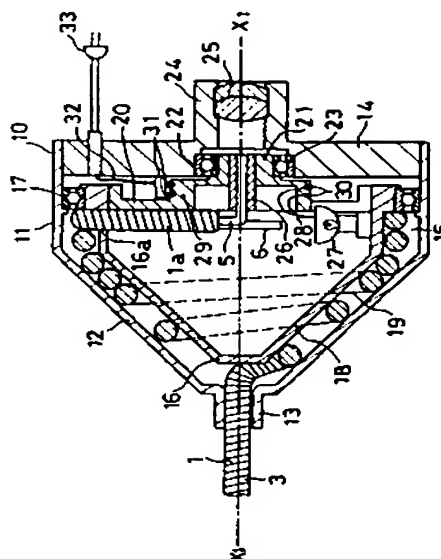
APPLICATION DATE : 17-10-89  
APPLICATION NUMBER : 01269672

APPLICANT : OLYMPUS OPTICAL CO LTD;

INVENTOR : MIZUMOTO MORIHIDE;

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TITLE : IN-TUBE INSPECTION DEVICE



ABSTRACT : PURPOSE: To enable one person to easily insert and extract an insertion part and make an observation in a tube in a short time by supporting a rotary body equipped with a conic winding barrel part wound with the insertion part rotatably on the axis and providing the output end of an observation optical system on the axis of rotation.

CONSTITUTION: The rotary body 16 equipped with the conic winding barrel part 18 wound with the insertion part 1 spirally is supported rotatably on the axis of the winding barrel part 18 and the output end of the observation optical system 25 is provided on the axis of rotation. Thus, the rotary body 16 wound with the long insertion part 1 is supported rotatably on a main body 10, so when the insertion part 1 is rotated on the axis after being unwound from the rotary body 16, the rotary body 16 freely rotates according to the motion of the insertion part and the wound insertion part 1 becomes neither out of control nor irregular. Consequently, the long insertion part need not be extended linearly and the operation for the extension is unnecessary to perform the inserting and extracting operation smoothly even if a wide space is not available at the periphery of a conduit to be inspected.

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